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NAL RECEIVES LANDMARK FLORICULTURE FUNDS

On December 10, Secretary of Agriculture John R. Block signed a precedent-setting agreement under which the National Agricultural Library (NAL) will receive funds from the American Florists Endowment (AFE) to be used to disseminate information on floriculture to growers, wholesalers, and retailers in the floriculture industry.

"This agreement is a trail-blazer," Block said. "No other major agricultural industry has developed and funded such a program with the NAL. We hope this action will encourage other agribusiness groups to work with the Library to establish similar information projects for our mutual benefit and that of agriculture generally."

Under the agreement, the AFE will donate an initial sum of \$30,000 to the Library which in the future may be supplemented by additional funds. In support of its gift to NAL, the AFE will present \$10,000 to the Associates of the National Agricultural Library, Inc. to enhance access to floriculture literature.

The agreement was prompted in part by the donation to the Library of a major collection of bibliographic and related materials in floriculture economics from the Fossum Foundation Library of North Dakota State University. These materials will be added to the extensive literature on floriculture now held by the NAL.



Signing agreement are Secretary of Agriculture John Block and Mrs. Mabel Simmons, Chairperson of the AFE Trustees. Orville G. Bentley (l.), Assistant Secretary, Science and Education and Joseph H. Howard (r.), NAL Director, look on.



NEWS NOTES

NAL HOSTS FIFL MEETING

Cooperation, networking, outreach, and new technologies were just some of the many topics explored at a recent 2-day meeting of federal, land-grant and field librarians.

The event, sponsored by the National Agricultural Library (NAL), was held as part of the Federal Interagency Field Librarians' Workshop (FIFL), November 25-30 at the Shoreham Hotel, Washington, D.C.

Joseph H. Howard, Director, NAL and program host briefed attendees on the progress which has been made since the 1982 Interagency Panel for the Assessment of NAL (Blue Ribbon Panel) report to Secretary Block. "Fiscally and personnel-wise, the Library is healthier," commented Mr. Howard. A Blue Ribbon Panel recommendation which found NAL underfunded and understaffed has resulted in budget and staffing increases in the last 2 years.

For the future, Mr. Howard looks toward further coordination and strengthening of a national agricultural library network. NAL hopes to work more closely with field libraries particularly in the areas of acquisitions and collection development. Improvements in channels of communication between Extension and the Library are targeted for action as are the establishment of innovative cooperative working arrangements with private and public institutions.

New emphasis will be placed on the development of non-bibliographic databases and a self-contained AGRICOLA training course using video disk technology in an effort to reach and provide services to NAL's myriad audience both nationally and internationally.

On the legislative front, a Blue Ribbon Panel recommendation for the establishment of an advisory council has gone to Congress where a decision is pending. If passed, such a council would conduct ongoing evaluations of NAL's programs and services as well as advise the Secretary of Agriculture on general matters of library and technical information policy.

The program agenda consisted of four sessions: "Agricultural Community Interrelationships--University, State, Regional and National;" "Public Services;" "State Publications;" and "Technical Services."

During each session NAL staff had an opportunity to update attendees on new and ongoing Branch activities, policy changes impacting library services, as well as the future direction of program units within the Library.

The sessions were complimented by presentations from the land-grant community. Featured speakers were: Carol Boast, University of Illinois, "Photocomposition Tapes in a Full-Text Data Base;" Lucy M. Campbell, University of Georgia, "The Southern Agricultural Documents Delivery Project;" Susan Curtis, University of Georgia, "Cooperative Indexing;" Antoinette P. Powell, University of Kentucky, "Indexing Kentucky Agricultural Publications;" and Glenn Wilde, Utah State University, "Intermountain Community Learning and Information Services (ICLIS) Project."

This year's meeting attracted over 100 librarians from 35 states. NAL hopes to continue to make FIFL a meeting ground for agricultural librarians to exchange information, discuss problems, and get better acquainted. Post-conference evaluation forms are currently being analyzed in preparation for next year's meeting.



NOTE: Abstracts of the papers presented at the NAL/FIFL/Land-Grant Librarians meeting are available upon request from: Education and Information Staff, Room 203, National Agricultural Library, Beltsville, MD 20705. (FIFL participants will be sent copies.)

LIST OF KEY NAL PERSONNEL



NAL ORGANIZATION

Area Code 301

Director	Joseph Howard	344-4248
Associate Director	Samuel Waters	344-3780
Executive Officer	Thomas Neis	344-1570
EEO Officer	Armando Fernandez	344-4077
Collection Development	Leslie Kulp	344-1562
Education and Information Staff	Eugene Farkas	344-3778
Special Services & Communications	Maria Pisa	344-3937
Training & Education	Charles Bebee	344-3937
Food, Nutrition, and Human Ecology Staff	Robyn Frank	344-3719
Information Systems Division	Pamela Andre	344-3813
Current Awareness Literature Service (CALS)	Evelyn Brownlee (acting)	344-3859
Information Technology	Bill Feidt	344-3813
Database Management and Support	Vacant	344-3813
Network Coordination	John Forbes	344-1563
Public Services Division	Keith Russell	344-3834
D.C. Branch Library	Mary Lassanyi	(202) 447-3434
Economic and Marketing	Jennie Brogdon	344-3704
Farming and Forestry	Jennie Brogdon (acting)	344-3704
Lending	Veronica Lefebvre (acting)	344-3717
Special Collections	Alan Fusonie	344-3876
Technical Services Division	Sarah Thomas	344-3834
Acquisitions	Joseph Swab	344-3732
Cataloging	Patricia John	344-3728
Indexing	David Lee	344-3829
Serials	Idalia Acosta	344-3999

SERVICES

AGRICOLA Database	Pamela Andre	344-3813
AGRICOLA Training	Charles Bebee	344-3937
Agency Publications	Eugene Farkas	344-3778
Agricultural Libraries Information Notes	Maria Pisa	344-3937
Associates NAL, Inc. (Non-Government)	Maria Pisa	344-3937
Bookstack Maintenance	Veronica Lefebvre (acting)	344-3717
Coin-operated Copy Machines	Rita Spencer	344-3877
Exchange and Gift	Susan Fugate	344-3645
Exhibits	Maria Pisa	344-3937
Interlibrary Loans	Patricia Krug	344-3776
Loan of Publications	Ronald Young	344-4110
OCLC Coordinator	Beth Whiting	344-3728
Orientation and Tours	Maria Pisa	344-3937
Quick Bibliographies	Jennie Brogdon	344-3704
Reference Services	Jennie Brogdon	344-3704
Renewal of Loans	Gloria Williams	344-3761
Stack Permits and Study Carrels	Josephine McDowell	344-3877

January 1985



NAL, OICD ANNOUNCE EXPANDED TRANSLATIONS PROGRAM


Translations of foreign-language publications on agricultural science and technology will be accessible to U.S. Department of Agriculture (USDA) personnel and other agricultural researchers and extension workers nationwide under a new agreement between the National Agricultural Library (NAL) and the Office of International Cooperation and Development (OICD). The memorandum of understanding between the two agencies continues a program of translations previously underway, extending the scope of translations and shifting additional responsibility to NAL.

Special foreign currencies as authorized under Public Law 480 will be used to pay for overseas translation of journal articles, monographs, reports, etc. NAL will accept requests for translations of materials on agricultural-related topics from researchers in the USDA, Extension, land-grant institutions, and agricultural colleges.

OICD has arranged for translations to be made from publications in the following languages: Arabic, Bulgarian, Dutch, French, German, Italian, Japanese, Portuguese, Rumanian, Russian, and Spanish. A limited capability is available in Afrikaans, Chinese, Czech, Hungarian, Polish, Thai, Turkish, and Ukrainian; and other languages may become available in the future.

USDA personnel should forward requests to NAL through channels, as specified by their agency. Others may send them directly to the Translation Liaison, Public Services Division, NAL. Requests should be accompanied by three copies of the publication to be translated. If a copy of the original is not readily available, the Library staff will work with the requester to obtain copies, at his expense if more than nominal costs are involved.

The NAL will refer copies of the original item to be translated, with a bibliographic citation, to translators under contract to OICD. OICD will pay for the work in foreign currencies and provide copies to the original requester as well as to NAL and other interested institutions. Land-grant libraries will automatically receive translations of all materials in subject categories they have selected.

Translations will be tracked from initial request to completion by a computerized system maintained by the NAL. The Library will add copies of the translation to its collection, promptly enter a bibliographic citation for it into AGRICOLA, its online database, and provide copies upon demand, as it does for other materials in its collection. 

SCIENTIST OF THE YEAR NAMED

The Agricultural Research Service has named USDA chemist James H. Tumlinson III, "Scientist of the Year" for his research on the chemistry and biology of insect behavior.

Tumlinson and three regional award winners were honored at ceremonies held at USDA. "Tumlinson won this honor for his individual research and for heading a USDA team in studies to identify and synthesize the pheromones of several major insect pests," said Terry B. Kinney, administrator of USDA's Agricultural Research Service.

Pheromones are hormone-like chemicals that insects release to communicate with and attract others of their species. As a result of Tumlinson's work, these chemicals are being used commercially to lure insects into traps and to confuse the pests so they fail to mate. The boll weevil, Japanese beetle, peachtree borer and corn rootworm are among the insects he has studied.

"Tumlinson's two decades of pheromone research greatly advanced the science of insect control," Kinney said. "His research has provided scientists a basis for further studies aimed at developing a better understanding of how insects perceive odors and respond to them."

It has also been a major force in the development of alternatives to "all-purpose" insecticides, he said.

Last year, Tumlinson's research team identified and synthesized the queen-recognition pheromone of the imported red fire ant--the first pheromone of its kind to be chemically identified.

A supervisory research chemist at the agency's Insect Attractants Behavior and Basic Biology Laboratory in Gainesville, Florida, Tumlinson is the third winner of this annual award. The regional award winners are:

- S.M. (John) Mircetich, plant pathologist, Crops Pathology and Genetics Research Unit, Davis, Calif., for innovative research in understanding the cause of and controlling several fruit and nut crop diseases;

- K. Darwin Murrell, zoologist, Animal Parasitology Institute, Beltsville, Md., for national and international leadership and individual research on parasitic diseases of swine; and

- William L. Ogren, plant physiologist, Photosynthesis Research Unit, Urbana, Ill., for new findings on the role of carbon in photosynthesis and for leadership of coordinated research on photosynthesis.

Tumlinson will receive \$5,000, a plaque, and up to \$40,000 in equipment or other support for his research. Each regional winner will receive \$2,500 plus \$25,000 in equipment or other support.



YEMEN AG LIBRARY OPENS WITH ASSISTANCE FROM ARIZONA

The Documentation and Learning Resource Center, Ministry of Agriculture and Fisheries, Yemen Arab Republic, opened this past fall. The new 5,000 square-foot center was built with U.S. assistance and advice from the University of Arizona.

The project is part of a broad agricultural program in Yemen funded by the U.S. Agency for International Development through the Tucson-based Consortium for International Development (CID).

According to project director Dr. Robert Varady of the University's Office of Arid Land Studies, the collection is projected to number 30,000 documents within 5 years.

Dr. Varady and Elaine Cook, manager of the UA Arid Lands Information Center (ALIC) have each visited the Center to advise ministry and CID personnel about library equipment, cataloging systems, and operational policies. The library will have equipment for computing and word processing in both English and Arabic, for high-volume photocopying, and for microfiche production and reading.

Temporary staffing by professional American librarians will be provided while Yemeni citizens are trained at the University of Arizona. Technical backstopping by ALIC staff in Tucson and administrative support from Oregon State University's Office of International Agriculture will also be available.

For more information, contact Dr. Robert Varady or Elaine Cook, Arid Lands Information Center, Office of Arid Lands Studies, 845 N. Park Avenue, Tucson, Arizona 85719, (602) 621-1995.



ROSENGARTEN BOOK REVIEWED

THE BOOK OF EDIBLE NUTS

Frederic Rosengarten, Jr.
Walker and Company, New York, 1984
\$35.00

Here is a book to cause reference librarians to rejoice. At last, in one definitive volume, can be found the answers to almost all the questions about edible nuts that may be posed by inquirers.

Those who have come to rely on Mr. Rosengarten's earlier work, The Book of Spices, will be pleased to find the same format, as well as the attention to accuracy, the same lucid writing style, the lavish illustrations (although the plates are not in color this time) and, for all the major nuts, unusual and enticing recipes. The author says in his introduction, "A logical name for this work would have been 'The Book of Nuts;' however, some knowledgeable people have observed that this title would be ludicrous--and could subject the book to ridicule by the literati," a witty allusion to the variety of connotations the word "nut" has acquired in our language.


Chapters are devoted to each of the 12 most important nuts or what are commonly regarded as nuts, such as almonds, walnuts, pecan, and coconut. By strict botanical definition many of them are not nuts, especially the peanut and the sunflower seed. In addition, there are shorter treatments of 30 other edible "nuts" including such interesting ones as litchis, water chestnuts, and jojoba nuts.

Beginning each main chapter is a full page botanical illustration and the common name followed by the scientific name and what the nut is called in 11 other languages. The text recounts the history and folklore, the geographic distribution, cropping or gathering practices, production and processing system and uses, including several recipes. It tells of origins, early uses, superstitions, the romance of discovery and domestication,

and follows the trail from planting to harvest and commerce.

Additional features of this book that enhance its value as a reference resource are the glossary, an 11-page bibliography, the general index, and even a recipe index.

Compare the reference works that librarians have had available for edible nuts information, fine as far as they go, but limited. The three encyclopedia-style resources have been Jasper Guy Woodroff's Tree Nuts: production, processing, product; Edible Nuts of the World, by Edwin A. Menninger; and Nut Tree Culture in North America, edited by Richard A. Jaynes for the Northern Nut Growers Association. Woodroff and Jaynes are essentially manuals for cultivation and processing of tree nuts, and focus on about a dozen of the most important nuts. Menninger covers many of the exotic nuts that are included in Rosengarten, but gives even the major ones fairly brief and superficial treatment. For example, in Menninger, the almond is given one and a half pages, as compared to 20 pages in The Book of Edible Nuts.

The audience for The Book of Edible Nuts, as with the earlier one on spices, is certainly not limited to librarians and their patrons. Professors will no doubt assign it to their economic botany classes. But it is also fascinating reading for the cook or cookbook collector, and a food editor would revel in it. This fruit of Mr. Rosengarten's dedicated scholarship will be the standard work on edible nuts for many years to come. 

--JAYNE T. MACLEAN

Reference Research Librarian
Farming & Forestry Branch, NAL
(301) 344-3704


STUDY ON BOOKS IN THE FUTURE PUBLISHED

Librarian of Congress Daniel J. Boorstin presented a report on the role of the book in the future to Senator Charles McC. Mathias, Jr. at a press conference held December 7. Senator Mathias is chairman of the Joint Committee on the Library.

The report, entitled Books in our Future, was prepared in accordance with Senate Concurrent Resolution 59 agreed to on November 18, 1983. The Resolution, sponsored by Senator Mathias, called upon The Librarian of Congress to study the place of books in our future and the influence that new technologies may have upon books, reading, and the printed word and submit a report to the Congress.

While affirming that "our democracy is built on books and reading," the report asserts that "technology is not a threat" to the book; rather, "we must enlist new technologies with cautious enthusiasm" to strengthen our national commitment to books and reading.

The report calls for a national goal of abolishing illiteracy in the United States by 1989, the bicentennial of the Constitution. A program for combating illiteracy and aliteracy is outlined, with examples of what is already being done and specific recommendations for action by private organizations, the Congress, the Executive Branch, and the the Library of Congress.

Copies of the report may be obtained from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Senate Report 98-231. Stock Number S/N 052-070-5978. \$2.50. 

Rare Book Bibliography Published


A new bibliography, the "Ikebana Rare Book Collection Located at the U.S. National Arboretum," compiled by Alan Fusonie, Historian, NAL and Judith Ho, Arboretum Librarian, is available free upon request. Send a self-addressed mailing label with request to Special Collections, Room 301A, National Agricultural Library, Beltsville, MD 20705. ✓

FARM POLICY 'CROSSROADS' SLIDES RELEASED

"U.S. Farm Policy at a Crossroads," a 15-minute 3-second slide show designed to provide background material for discussions on the 1985 Farm Bill has been made available on a lending basis without charge by USDA.

The slide presentation looks at a specific set of policies and programs which account for the bulk of farm programs spending but which involve only a few basic commodities, such as wheat, rice, cotton, and feedgrains.

The 97-slide show was produced by the Photography Division of USDA's Office of Information. It is accompanied by a synchronized narration. A synchronizing cassette player, as well as a standard slide projector, are essential to its use.


The slide show is not for sale. Anyone wishing to borrow a copy may contact Donnell Royster, Economics Management Staff Information Office, Room 0054-S, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 447-2078. 

PUBLICATIONS AVAILABLE

The following publications are surplus to the needs of the National Agricultural Library's collection. They will be made available to any interested organization that regularly sends free publications to NAL. This includes most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to make special arrangements with local sources for shipment of material.

If interested, please write to:
National Agricultural Library, USDA,
Attn: Collection Development-Gifts,
Beltsville, MD 20705, or call Leslie Kulp, (301) 344-1562.


1. Abstracts of Mycology - v. 1, 1967 - v. 14, 1980 (unbound).
2. Agricultural Reports - beginning with the U.S. Patent Office and various titles to Annual Reports; Department of Agriculture 1848-1905 with a few volumes missing.
3. Ecological Monographs - v. 30, 1960 - v. 49, 1979.
4. Forest Science - v. 1, 1955 - v. 15, 1969 (up to v. 12, bound).
5. Proceedings of the U.S. National Museum - v. 23, 1901 - 59, 1922 (all bound; v. 57 missing).
6. Weed Science - v. 10, 1962 - v. 30, 1982.
7. U.S. Department of Agriculture Circulars nos. 51-200, 237-260, 301-380, 491-590 (all bound in sets).
8. U.S. Department of Agriculture Miscellaneous Publications - nos. 76-159, 161-168, 206-283, 288-308, 327-341 (all bound in sets).

In addition, NAL has collected a large surplus of Agricultural Experiment Station Publications and arranged them according to state. The Library does not have adequate staff to respond to specific requests for individual issues of these publications but will supply the total of the available publications from any state(s) to interested libraries. 


BIBLIOGRAPHIC CLEARANCES

As prescribed in 2AR82, USDA agencies, including field installations, must obtain authorization from the National Agricultural Library before beginning compilation of a bibliography. The following proposals for bibliographies have been cleared:

BEHAVIORAL CHEMICALS PRODUCED BY HELIOTHIS
SPECIES: BIBLIOGRAPHIES DATABASE,
1965-1983. For further information
contact: Dr. Richard L. Ridgway, USDA,
Agricultural Research Service, Agricultural
Environmental Quality Institute,
Beltsville, MD 20705, (301) 344-4389.

BOLL WEEVIL PHEROMONES: BIBLIOGRAPHIC
DATABASE, 1964-1983. For further
information contact: Dr. Richard L.
Ridgway, USDA, Agricultural Research
Service, Agricultural Environmental Quality
Institute, Beltsville, MD 20705, (301)
344-4389. 

SYMPOSIUM PROCEEDINGS AVAILABLE

Copies of the proceedings of the symposium on Twentieth Century Agricultural Science--Discovery, Use, Preservation published in the Journal of NAL Associates, New Series, Vol. 8, Nos. 1/4, Jan./Dec. 1983, are still available and can be purchased from the Associates NAL, Inc. The symposium, held October 20-22, 1982, focused on the trends in the identification, development, utilization, and dissemination of agricultural information in the 20th century; the interaction between scientists, information specialists, librarians, and others; and the impact of information on current research. The symposium was sponsored by the National Agricultural Library, the Associates of the National Agricultural Library, Inc., and the Agricultural History Society. Cost of the published proceedings is \$32.00 plus \$2.54 postage and handling. Orders should be sent to Associates NAL, Inc., 10301 Baltimore Blvd., Room 203, Beltsville, MD 20705. 



NEW PUBLICATIONS OF NOTE

***1982 CENSUS OF AGRICULTURE. Vol. 1, Geographic Area Series (AC82-A):**

Massachusetts. 185 p. \$5.50.

S/N 003-024-91201-5.

South Carolina. 320 p. \$9.00.

S/N 003-024-91220-1.

Utah. 268 p. \$7.50.

S/N 003-024-91224-4.

1984-85 DIRECTORY OF PROFESSIONAL WORKERS IN STATE AGRICULTURAL EXPERIMENT STATIONS AND OTHER COOPERATING INSTITUTIONS. U.S. Department of Agriculture, Science & Education, Cooperative State Research Service, Washington, D.C. Agriculture Handbook No. 305. Single copies can be obtained from: Requests & Distribution Section, Office of Information, Extension Service, USDA, Room 3431, South Bldg., Washington, D.C. 20250.

****ADVANCES IN NUTRITION RESEARCH. Vol. 6. H.H. Draper, ed. Plenum Publishing Corp. 335 p. \$49.50.**

THE CHEMISTRY OF CEREAL PROTEINS. R. Lasztity. 1984. 203 p. \$65.00. Order from: CRC Press, Inc., 2000 Corporate Blvd., N.W., Boca Raton, FL 33431. Tel: (305) 994-0555.

CHEESE: A GUIDE TO THE WORLD OF CHEESE AND CHEESEMAKING. Bruno Battistotti, et. al. 1984. \$18.95. Order from: Facts on File, 460 Park Ave. S., New York, NY 10016. Tel: (212) 683-2244.

COMMUNICATING UNIVERSITY RESEARCH. A Handbook Designed for Scientists and Journalists, University Editors and Public Information Officers. 1984. Price unknown. Order from: CASE Publications, Order Dept., P. O. Box 298, Alexandria, VA 22314.

DIRECTORY OF ONLINE PROFESSIONALS. 1st Edition. \$85.00. Order from: Marquis

Who's Who, Inc., 200 East Ohio St., Chicago, IL 60611. Tel: (800) 428-3898.

ENCYCLOPEDIA OF INFORMATION SYSTEMS AND SERVICES 1985-86. 6th Edition. John Schmittroth, Jr., ed. 1985. 2069 p. \$325.00 (2 vols.). Available separately: Int'l Vol. \$165.00; U.S. Vol. \$190.00. Gale Research Co., Book Tower, Detroit, MI 48226. Tel: (313) 961-2242.

EXPANDING HORIZONS AND APPLICATIONS IN THE EIGHTIES. 1984. Single copies may be obtained from: Office of the Associate Dean, Virginia-Maryland Regional College of Veterinary Medicine, VPI and State Univ., Blacksburg, VA 24061.

THE FRESHWATER AQUACULTURE BOOK. A Handbook for Small Scale Fish Culture in North America. William McLarney. 1984. 600 p. Price unknown. Order from: Hartley & Marks Publishers, P. O. Box 147, Point Roberts, WA 98281.

****GENE MANIPULATION IN PLANT IMPROVEMENT. J. P. Fustafson, ed. Plenum Publishing Corp. 1984. 660 p. \$75.00.**

***GROWING CAULIFLOWER AND BROCCOLI. Washington, D.C., U.S. Department of Agriculture, Extension Service, 1984. (Farmers' Bulletin No. 2239). 14 p. \$1.00.**

GROWING INDUSTRIAL MATERIALS: RENEWABLE RESOURCES FROM AGRICULTURE AND FORESTRY. Washington, D.C., U.S. Department of Agriculture, Critical Materials Task Force, 1984. Request for copies should be sent with a self-addressed label to: Office of Critical Materials, OGPS-USDA, Room 223 West Auditors Bldg., Washington, D.C. 20251.

INTEGRATED ONLINE LIBRARY SYSTEMS: PRINCIPLES, PLANNING, AND IMPLEMENTATION. David C. Genaway. 1984. 151 p. \$36.50. Order from: Knowledge Industry Publications, Inc., 701 Westchester Ave., White Plains, NY 10604. Tel: (914) 328-9157.

*****MEDIA AND MICROCOMPUTERS IN THE LIBRARY: A SELECTED ANNOTATED RESOURCE GUIDE. Evelyn H. Daniel and Carol I. Notowitz, eds. 1984. 168 p.**

***MICROCOMPUTERS: A PLANNING AND IMPLEMENTATION GUIDE FOR LIBRARIANS AND INFORMATION PROFESSIONALS. Robert A. Walton. 1983. 96 p. \$24.95.

NUTRIENT REQUIREMENTS OF POULTRY: EIGHTH REVISED EDITION, 1984. National Academy of Sciences, Committee on Animal Nutrition, Board of Agriculture. 1984. 78 p. \$10.25. Order from National Academy Press, 2101 Constitution Ave., N.W., Washington, D.C. 20418.

RESTRUCTURING POLICY FOR AGRICULTURE: SOME ALTERNATIVES. Papers prepared for the 149th National Meeting of the American Association for the Advancement of Science. 1984. Price unknown. Order from: College of Agriculture and Life Sciences, VPI and State University, Blacksburg, VA 24061.

SCIENCE AND POLICY ISSUES: A REPORT OF CITIZEN CONCERNS AND RECOMMENDATIONS FOR AMERICAN AGRICULTURAL RESEARCH. NATIONAL AGRICULTURAL RESEARCH AND EXTENSION USERS ADVISORY BOARD. 1984. Request for copies should be sent to: Executive Secretary, Users Advisory Board, U.S. Department of Agriculture, Room 317-A, Administration Bldg., Washington, D.C. 20250.

SEED VIGOR TESTING. Association of Official Seed Analysts. 1984. Handbook 32. \$20.00. Order from: Robert Trent, Secretary-Treasurer, AOSA, 2240 Kellogg Lane, Boise, ID 83702. Tel: (208) 334-2368.

**SEEDS. PHYSIOLOGY OF DEVELOPMENT AND GERMINATION. J. Derek Bewley, Plenum Publishing Corp. 1984. 350 p. \$45.00.

STATE TECHNICAL ASSISTANCE CENTERS AND FEDERAL TECHNICAL INFORMATION CENTERS AVAILABLE TO U.S. BUSINESSES. U.S. Department of Commerce, National Technical Information Service. 1985. Free. Request Brochure No. PR-767 from: NTIS, 5285 Port Royal Road, Springfield, VA 22161. Tel: (703) 487-4600.


THE UNIFORM FLOWING PROCEDURE. L. E. Everson, et al. Association of Official Seed Analysts. 1984. Handbook 24. \$7.00. Order from: Robert Trent, Secretary-Treasurer, AOSA, 2240 Kellogg Lane, Boise, ID 83702. Tel: (208) 334-2368.

THE WORLD BIOTECH REPORT 1984. Volume 2: USA. Conference Proceedings. 1984. 850 p. \$110.00. Order from: Online Publications, Pinner Green House, Ash Hill Drive, Pinner, Middlesex Ha5 1AE, England.

YIELD AND PERSISTENCE OF THE SHRUB LEGUMES CODARIOCALYX GYROIDES AND LEUCAENA LEUCOCEPHALA ON THE COASTAL LOWLANDS OF SOUTH-EASTERN QUEENSLAND. R.M. Jones. CSIRO. 1984. Tropical Agronomy Technical Memorandum No. 38. 9 p. Price Unknown. Order from: CSIRO, Division of Tropical Crops and Pastures, Cunningham Laboratory, 306 Carmody Rd., St. Lucia, Brisbane, Queensland 4067, Australia.

*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Tel: (202) 783-3238.

**Order from Plenum Publishing Corp., 233 Spring Street, New York, NY 10013.

***Order from Oryx Press, 2214 North Central at Encanto, Phoenix, AZ 85004-1483. Tel: (800) 457-ORYX. 



NEW SERIALS RECEIVED AT NAL

AGRICULTURE AND HUMAN VALUES.
Gainesville, FL, University of Florida.
q. Vol. 1, no. 1 (winter 1984)-
HT401.A36

APPLIED MICROBIOLOGY AND BIOTECHNOLOGY.
New York, Springer International. m.
Vol. 19, no. 1 (1984)-
QR1.E9


CANADIAN VETERINARY PHARMACEUTICALS AND
BIOLOGICALS. Media, PA, Harwal Pub.
Co. irr. (1984-1985)-
SF917.C34

INTERNATIONAL BIODETERIORATION.
Farnham Royal, Slough, Commonwealth
Agricultural Bureaux. q. Vol. 20,
no. 1 (Mar. 1984)-
QH301.I54

JOURNAL OF INDUSTRIAL IRRADIATION
TECHNOLOGY. New York, NY, Marcel
Dekker, Inc. q. Vol. 1, no. 1 (1983)-
TP249.J68

MEMBERSHIP DIRECTORY AND INTERNATIONAL
BUYER'S GUIDE TO MARKETING. Chicago,
IL, American Marketing Association. u.
(1984)-
HF5415.A1A4

PRODUCTION RECOMMENDATIONS FOR NEW
JERSEY FIELD CROPS. New Brunswick, NJ,
Cooperative Extension Service, Cook
College, Rutgers. a. (1984)-
SB183.P7

THE PUREBRED PICTURE. Lebanon, IN,
American Berkshire Association,
American Landacre Association. m.
Vol. 1, no. 1 (Aug./Sep. 1984)-
SF395.8.A1P98 



AUDIOVISUALS

***AGRI AMERICA: 2003 A.D. 20 min. 16 mm.
1984. Film shows the advances being made
in agriculture during this century and what
the farmer can expect to see in the year
2003 A.D. Suitable for rural and urban
audiences.

*AMERICA'S WETLANDS. 28 min. 16 mm.
1981. Title No. A05875/PN. Rental \$30.00;
sale \$975.00. Reveals the hidden values of
America's wetlands from the Atchafalaya
River swamp to the Arctic tundra. Usually
viewed as worthless swamps, marshes,
potholes, and other water saturated lands
are filmed to convey a national perspective
of their benefits to man and wildlife and
the potential impact of their loss. Filmed
in New Mexico, North Dakota, Louisiana,
California, Massachusetts, Alaska, and
Philadelphia.

***CAREERS IN PRODUCE DISTRIBUTION.
17 min. 16 mm. 1984. An overview of the
fresh produce industry showing career
opportunities at all levels. Presentation
utilizes slides/narration.

****FEEDER PIG SELECTION. Sound Filmstrip.
1984. Title No. 1-440-236B. \$38.50.
Assists in the selection of quality animals
for the show ring or freezer. Filmstrip
teaches how to select healthy animals that
are long-bodied, loose-muscled and have
adequate digestive capacity. Common foot
and leg problems are discussed, as is home
animal care.

*GASOHOL-GROWING SOME OF OUR FUEL. 14 min.
16 mm. 1980. Title No. AO2359/RB.
\$89.50. Reviews gasohol research in
Illinois, Texas, and Mississippi.
Emphasizes the use of crop residues and
sweet sorghum for alcohol production.

***GUSTS OF POWER.** 14 min. 16 mm. 1979. Title No. A01302/RB. \$89.25. Reviews research on wind energy. Shows irrigation projects in Bushland, TX, and Garden City, KS; cooling of a milking parlor in Fort Collins, CO; heating a home in Bloomfield, IA; cooling stored apples in Blacksburg, VA; and an experimental water heating project in Ithaca, NY.

******INTRODUCTION TO SWINE MANAGEMENT.** Sound Filmstrip. 1984. Title No. 1-440-231B. \$38.50. Presents a basic overview of current management practices and shows how to maximize herd efficiency through sensible nutrition and health care. Handling equipment, feeding and watering devices, and major health problems are also highlighted.

*****LIFE FORCE.** 23 min. 16 mm. 1984. A salute to America's most productive industry--agriculture. It portrays the strength and closeness of farm families, their bond with the land and with each other, and how farmers combine business management, science, technology, and hard work to make American agriculture the envy and wonder of the world.

****THE NATIONAL BONSAI COLLECTION.** 62 frames. 1976. Title No. A-65. Slide set \$18.50. Contains views of 53 bonsai plants, ranging from 30 to 350 years of age, and six "viewing stones." The collection was a gift of the Japanese people to the United States in commemoration of the 200th anniversary of this country.

*****OUR AMERICAN HERITAGE.** 22 min. 16 mm. 1984. From jungle farming to the agriculture of today is the road traveled by this film.

****PEOPLE ON THE FARM: GETTING STARTED.** 122 frames. 1982. Title No. C-211. Slide \$29.50; Filmstrip \$21.50 (price includes cassette). Two young Michigan farmers, Wilburn and Ramona Minisee, try to build a fledgling farm operation.

****PEOPLE ON THE FARM: RAISING BEEF CATTLE.** 129 frames. 1981. Title No. C-210. Slide set \$29.50; Filmstrip \$21.50 (price includes cassette). A Colorado rancher Gene Ritschard, and Missouri farmer, Herbert Schutte, raise beef cattle under vastly different geographic and climatic conditions.

******SWINE HEALTH CARE.** Sound Filmstrip. 1984. Title No. 1-440-233B. \$38.50. Concentrates on how the health care needs of swine and how preventative care can help avoid certain health problems. Examples of some common diseases and the need for proper sanitation are shown. Filmstrip demonstrates herd vaccination and provides instruction for learning how to recognize the symptoms of internal parasites, and how to control them with currently available products.

***ORDER FROM:**

General Services Administration
National Archives and Records Service
National Audiovisual Center
Reference Section/RB
Washington, D.C. 20409
(301) 736-1896

****ORDER FROM:**

U.S. Department of Agriculture
Office of Governmental & Public Affairs
Photography Division, Room 4407
South Building
Washington, D.C. 20250
(202) 447-6633

*****ORDER FROM:**

Grange Farm Film Foundation
1616 H Street, N.W.
Washington, D.C. 20006
(202) 628-3507

Films and slides are available on loan to schools and recognized rural/urban groups at no cost to the borrowing organization other than return postage and insurance.

******ORDER FROM:**

Vocational Education Productions
California Polytechnic State University
San Luis Obispo, CA 93407
(800) 235-4146



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NAL--Q.B.--84-64. WOMEN'S ROLE IN FARMING AND AGRICULTURE, 1979-1984. 113 citations from AGRICOLA. English only. Searched by J. Rafats. September 1984. Supersedes 84-64.

NAL--Q.B.--84-65. GINSENG, 1970-1984. 190 citations from AGRICOLA. English only. Searched by J. Rafats. September 1984. Supersedes 81-03.

NAL--Q.B.--84-66. CHRISTMAS TREE: PRODUCTION AND ECONOMICS, 1979-1984. 220 citations from AGRICOLA. English only. Searched by J. Rafats. September 1984. Supersedes 82-11.

NAL--Q.B.--84-67. JERUSALEM ARTICHOKE, 1970-1984. 57 citations from AGRICOLA. English only. Searched by J. Rafats. September 1984.

NAL--Q.B.--85-01. AGRICULTURAL POLICIES, RESEARCH PROGRAMS, 1979-1984. 276 citations from AGRICOLA. Language none-excluded. Searched by Mary E. Lassanyi. October 1984.

NAL--Q.B.--85-02. EAST-WEST AGRICULTURAL TRADE, 1979-1984. 215 citations from AGRICOLA. English only. Searched by Mary E. Lassanyi. November 1984.

NAL--Q.B.--85-03. CROP AND LIVESTOCK INSURANCE, 1970-1983. 200 citations from AGRICOLA. Language none-excluded. Searched by Maria G. Pisa. November 1984.

NAL--Q.B.--85-04. GROUNDWATER IRRIGATION, 1970-1984. 224 citations from AGRICOLA. English only. Searched by Maria G. Pisa. November 1984.

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NAL--Q.B.--85-07. AQUATIC WEED CONTROL, 1980-1984. 214 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. December 1984. Updates 80-07.

NAL--Q.B.--85-08. DRIP AND TRICKLE IRRIGATION, 1982-1984. 271 citations from AGRICOLA. Language none-excluded. Searched by Jayne T. MacLean. December 1984. Updates 82-08.

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NAL--Q.B.--85-11. INDOOR GARDENING, 1979-1984. 151 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. December 1984.

NAL--Q.B.--85-12. AGRICULTURAL TRADE SITUATION OF THE USSR, 1970-1984. 186 citations from AGRICOLA. Language none-excluded. Searched by Mary E. Lassanyi. December 1984.





AGRICULTURE DATEBOOK

February 3-6: 82ND ANNUAL MEETING OF THE SOUTHERN ASSOCIATION OF AGRICULTURE SCIENCE (SAAS). Broadwater Beach and Hilton Hotels, Biloxi, MS. Contact: Leon McGraw, Secretary-Treasurer, SAAS, 1068 Terrace Acres, Auburn, AL 36830.

February 13-15: INTERNATIONAL AGRICULTURE PROGRAMS AND AGRICULTURAL COMMUNICATIONS: PARTNERS FOR INTERNATIONAL DEVELOPMENT. St. Louis, MO. Contact: Mason E. Miller, Communications Officer, Winrock International, Route 3, Petit Jean Mountain, AR 72110. Tel: (501) 727-5435.

February 26-28: AGRI-MATION I. (Automation in Agriculture). Chicago, IL. Sponsored by the Society of Manufacturing Engineers and the American Society of Agricultural Engineers. Contact: Patricia Van Dore, Society of Manufacturing Engineers, One SME Drive, P. O. Box 930, Dearborn, MI 48121. Tel: (313) 271-1500.

March 3-6: NATIONAL FEDERATION OF ABSTRACTING & INFORMATION SERVICES (NFAIS). 27th Annual Conference. Arlington, VA, Crystal Gateway Marriott Hotel. "New Developments in Electronic Publishing & Information Services." Contact: NFAIS, 112 South Sixteenth St., Suite 1207, Philadelphia, PA 19102. Tel: (215) 563-2406.

March 4-6: SYMPOSIUM ON "THE AGRICULTURAL SCIENTIFIC ENTERPRISE: A SYSTEM IN TRANSITION." University of Kentucky, Lexington. Contact: Nancy Welt, 223 Scove Hall, Univ. of Kentucky, Lexington, KY 40546-0069. Tel: (606) 257-7577.

March 11-13: SEVENTH ANNUAL WORKSHOP ON CROP SIMULATION. Clemson University, Clemson, SC. Contact: R. Bruce Curry, Agricultural Engineer, Ohio Agricultural Research and Development Center, Wooster, OH 44691.

March 17-19: ASSOCIATION OF INFORMATION AND DISSEMINATION CENTERS (ASIDIC). Sheraton Sand Key Resort, Clearwater Beach, FL. Contact: Harry Alcock, IFI/Plenum Data Co., 302 Swann Ave., Alexandria, VA 22301. Tel: (800) 368-3093.

April 30-May 2: NATIONAL ONLINE MEETING. Sheraton Centre Hotel, New York, NY. Contact: Thomas H. Hogan, Meeting Organizer, Learned Information, Inc. 143 Old Marlton Pike, Medford, NJ 08055. Tel: (609) 654-6266.

May 9-11: TWENTY-SECOND ANNUAL MEETING OF THE SOUTHERN REGIONAL SCIENCE ASSOCIATION. Washington, D.C., Washington Hotel. Contact: Barry Moriarity, Dept. of Geography, University of North Carolina, Chapel Hill, NC 27514.

May 13-15: AIM ANNUAL CONFERENCE. Waldorf-Astoria, New York, NY. "AIMing Towards Chief Information Officer." Contact: Barbie Keiser, Conf. Committee Chairman, The Penn Central Corporation, New York, NY. Tel: (212) 599-8234.

May 19-22. ASIS MID-YEAR MEETING. Bahia Mar Hotel, Fort Lauderdale, FL. "Telecommunication and Networking: Supplying the Missing Link." Contact ASIS, 1010 Sixteenth St., N.W., Washington, D.C. 20036. Tel: (202) 659-3644.

May 26-31. AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE ANNUAL MEETING. Los Angeles Hilton and West Bonaventure Hotels, Los Angeles, CA. Contact: AAAS, 1101 Vermont Ave., Washington, D.C. 20005.

June 2-6: INFORMATION FOR FOOD. VII World Congress of the International Association of Agricultural Librarians and Documentalists. Ottawa, Canada. Contact: Canadian Planning Committee, IAALD 1985, Room 249, Sir John Carling Blvd., Agriculture Canada, Ottawa, Canada, K1A 0C5.

June 8-13: SLA ANNUAL CONFERENCE. Winnipeg, Canada. "The Information Specialist: A Bridge to the New Communications." Co-sponsored by CASLIS. Contact: Barbara Palajian, Manager of Conferences & Exhibits, SLA, 235 Park Ave. S., New York, NY 10003. Tel: (212) 477-9250.

June 19-21: FIFTH CONFERENCE ON MICROCOMPUTERS IN EDUCATION AND TRAINING. Washington, D.C. Contact: Society for Applied Learning Technology, 50 Culpepper Street, Warrenton, VA 22186. Tel: (703) 347-0055.

July 6-11: ALA ANNUAL CONFERENCE. Chicago, IL. "Forging Coalitions for the Public Good." Contact: Walter Bruegger, Conference Manager, ALA, 50 E. Huron Street, Chicago, IL 60611. Tel: (312) 944-6780, Ext. 357.

July 8-12: TENTH CONFERENCE OF THE INTERNATIONAL SOIL TILLAGE RESEARCH ORGANIZATION. Guelph, Ontario, University of Guelph. Contact: T. B. Daynard, Crop Science Dept., University of Guelph, Guelph, Ontario N1G 2W1, Canada.

July 9-11: SNOW MANAGEMENT FOR AGRICULTURE WORKSHOP/SYMPOSIUM. Saskatchewan, Canada. Contact: H. Steppuhn, Chairman, Organizing Committee, c/o Research Branch, Agriculture Canada, P. O. Box 1030, Swift Current, Saskatchewan, Canada S9H 3X2.

August 4-7: 40th ANNUAL MEETING OF THE SOIL CONSERVATION SOCIETY OF AMERICA. St. Louis, MO. Contact: Walt Peechatka, 7515 Northeast Ankeny Road, Ankeny, IA 50021. Tel: (515) 289-2331.

August 5-9: PENICILLIUM WORKSHOP. University of Georgia, Athens, GA. Laboratory workshop on the Identification of Penicillium, J.I. Pitt, principal instructor. Contact: Maren A. Klich, USDA, Southern Regional Research Center, P. O. Box 19687, New Orleans, LA 70179. Tel: (504) 489-7597.

August 18-24: INTERNATIONAL FEDERATION OF LIBRARY ASSOCIATIONS AND INSTITUTIONS (IFLA) GENERAL CONFERENCE. Chicago, IL. Contact: Robert P. Doyle, IFLA '85 Coordinator, 50 E. Huron St., Chicago, IL 60611. Tel: (312) 6780.

August 21-23: SEVENTH ANNUAL CONFERENCE ON INTERACTIVE VIDEODISC IN EDUCATION AND TRAINING. Washington, D.C. Contact: Society for Applied Learning Technology, 50 Culpepper Street, Warrenton, VA 22186. Tel: (703) 347-0055.

October 20-25: 48TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR INFORMATION SCIENCE (ASIS). MGM Grand Hotel, Las Vegas, NV. Contact: ASIS, 1010 Sixteenth St., N.W., Washington, D.C. 20036. Tel: (202) 659-3644.

November 17-21: THIRD INTERNATIONAL DRIP/TRICKLE IRRIGATION CONGRESS. Centre Plaza Holiday Inn, Fresno, CA. Sponsored by the American Society of Agricultural Engineers and the Irrigation Association. The Cooperative State Research Service is a cooperative sponsor. Contact: ASAE, 2950 Niles Rd., St. Joseph, MI 49085-9659.

December 1-4: VIDEODISC, OPTICAL DISK, AND COMPACT DISC CONFERENCE AND EXPOSITION. Wyndham Franklin Plaza Hotel, Philadelphia, PA. Contact: Judith Paris, Conf. Chairperson, P. O. Box 3484, McLean, VA 22103. Tel: (703) 448-5910.

December 16-17: 5TH INTERNATIONAL SYMPOSIUM ON AGRICULTURAL WASTES. Hyatt Regency, Illinois Center, Chicago, IL. Contact: John M. Sweeton, Chairman, Program Committee of ISAW-85, 303 Scoates Hall, Texas A&M University, College Station, TX 77843. Tel: (409) 845-9795.

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